S.25787 GPS TRACKER USER MANUAL

- **Welcome to use this GPS tracker, it has many function, such as locate immediately, real tracking mode, object move alarm, over area alarm, over speed alarm,**
- **Small size**
- **Waterproof**
- **no installation charge**
- **easy hidden, with magnetic pin**
- **long battery life(15-20 days)**
- **low cost, no service charge (only SMS charge) etc.**
- **It can be used as tracking vehicles, machinery, animals, people etc.**
- **This product uses GPS module and GSM module…..call the tracker with mobile phone, the tracker will auto hang up the call, GPS module receive the GPS signal and calculate the latitude and longitude, and then sends the information (latitude, longitude, speed, battery, time etc) to the caller by SMS through GSM network.**

  Visit Google Earth, http://earth.google.com input the latitude and longitude information, the location will display on the map

- **Packing list**
  - **GPS tracker, car charger, home AC charger, manual.**

- **Before Use**

First buy a GSM SIM card, this phone number must have SMS service and incoming caller ID service, install to the tracker, this SIM card phone number is the tracker number, all the operation for the tracker is to this number, such as locating immediately, add & delete preset number, changing password, enable over speed alarm, enable move alarm etc.

1. **Power ON / OFF**

- **When power OFF, press the "HELP" button till the LED is ON, then release the button, the tracker is power ON, when the LED flash means the tracker is working well.**
- **When the power is ON, press the "HELP" button till the LED flash very fast, release the button, then press the "HELP" button 3 times, the LED will turn off and the tracker will power OFF.**

2. **To install SIM card, pull out the long narrow rubber stopple beside the box, you can see the SIM card socket, press the yellow switch point beside the socket with a tool, the holder will come out, pull it out, and put the SIM card in the holder and then push the holder into the tracker, please note that the SIM card metal contact pin can not face down to the holder, push the long narrow rubber stopple into the tracker to cover the SIM card socket.**

Note: Before install or uninstall the SIM card, you must power off the tracker.

3. **LED flash indicator**

LED Flash once:	**working well**
LED Flash twice:	**working well and GPS signal weak**
LED Flash three times :	**working well and battery low**
LED Flash four times :	**working well, battery low and GPS signal weak**
LED ON continuously :	**GSM searching network**
LED OFF continuously:	**Power off**
LED Flash fast:	**incoming or making a call or receiving a SMS**

4. Recharge the tracker

- **Please check and confirm the adapter model is suit for this tracker or not. We recommend use the original OEM charger to recharge the tracker.**
- **Warning: this tracker use the 5V DC voltage to recharge, too high voltage or AC voltage may damage the tracker and maybe cause accident.**
- **Plug car adapter into the DC socket, and remove small rubber stopper from the tracker, insert the adapter in the tracker, when the adapter LED turns to GREEN, it means the recharging is finished. It will take about 3-4 hours.**
- **When charging, it can work as normal, It will take about 3-4 hours to finish the charging, the adapter LED will turn to GREEN, when the battery low, the LED will flash three times, and send battery low information to the first preset number. When the battery voltage is too low, the tracker will turn off, when you recharge the tracker, it will turn on automatically.**
- **The battery life can last about 15-20days, the standby time maybe shorter according to the different using condition. (e.g. GPS continuously ON can reduce the standby time to 3-4 days, also weak GSM signal can reduce the standby time etc.)**

5. Back to default set

Open the tracker, press the "HELP" button, turn the power switch to ON position, till the LED flash 10 times and the LED turn ON continuously, release the button, the tracker back to default set, delete all preset number and password, the password change to default : 123456.

6. ANTENNA

- **The Antenna of GSM and GPS are built in the tracker.**
- **Pleas leave the tracker away from big metal, this will reduce the GSM and GPS signal.**

- **Function Description**
  - **Add/Delete/Check Preset Phone Number: Only preset number phone call can trigger the tracker to send back location information, if the tracker does not have a preset number, any phone call can trigger the tracker to locate immediately and send back the location by SMS to caller.**
  - **Change / Check Password: change / check the tracker operation password.**
  - **Locate Immediately: Use preset phone call the tracker, after ring 3 times, the tracker will hang up the call automatically and within about 30-60 seconds, the tracker will send the information (latitude longitude speed battery time etc) of current location to the caller by SMS, if the GPS signal is too weak (such as indoor or underground park), the tracker will send the last known location information to caller.**
  - **Set GPS power saving mode: (Default is GPS normal OFF and GSM is normal ON, GPS turn on when trigger the tracker to locate), GPS will turn on continuously when set real tracking mode, user can set the interval of the GPS on and off, then the tracker send its latest location.**
  - **Set object move alarm: the system will monitor the object continuously, if the object is moving, the tracker will send alarm and location information by SMS to phone, which enabled the move alarm, every 5 minutes until the tracker stops moving, please noted that, this mode maybe cost a lot of SMS charge and battery if the object keep moving.**
  - **Over Area Alarm (Electronic Geo-force): Can set 2 point, the tracker will check every 5 minutes, if the tracker go out the rectangle area of the 2 point, the tracker will send alarm information to the phone who enable the over area alarm by SMS, including the latitude longitude speed battery time etc, please noted that, this mode maybe cost a lot of SMS charge and battery if the object is out of the area.**
  - **Over Speed Alarm: Can set the max speed, the tracker will check every 5 minutes, if the tracker speed higher than the preset, the tracker will send alarm information to the phone who set the max speed by SMS, including the latitude longitude speed battery time etc, please noted that, this mode maybe cost a lot of SMS charge and battery if the speed is higher than setting.**
  - **Real Tracking Mode: The tracker will check every preset interval time, and send location information to the phone who set the tracking mode by SMS, including the latitude longitude speed battery time etc. please noted that, this mode will cost a lot of SMS charge and battery.**

- **"HELP": Press the "HELP" button about 6 seconds, the tracker will send "HELP" information to all preset number by SMS, also including the latitude longitude speed battery time etc.**

- **Function Operation**
  - **Add / Delete / Check preset number:**

1. Add preset phone number by SMS

Send SMS"ADDPHONE*123456*A*number"(Not including the quotation marks " and ", Number means the telephone number you want preset, the following is same) to tracker is OK, "ADDPHONE" is a command; "123456" is password; "A" is preset number location, every tracker have is 3 preset phone number location, A , B and C, so you can preset 3 phone number, if the add operation is success, the tracker will send back the information "ADDPHONE OK", if the command or password is not right, the operation is fault, the tracker will send back information "ADDPHONE FAIL".

2. Delete preset phone number by SMS

Send SMS "DELETEPHONE*123456*A" to the tracker, "DELETEPHONE" is a command; "123456" is password; "A" is preset phone number location, there is 3 location "A"，"B" and "C"; if the delete operation is success, the tracker will send back the information "DELETEPHONE OK", if the command or password is not right, the operation is fault, the tracker will send back information "DELETEPHONE FAIL".

3. Check preset phone number by SMS

Send SMS "CHECKPHONE*123456" to tracker, "CHECKPHONE" is a command; "123456" is password; if the operation is success, the tracker will send back the information "CHECKPHONE A: 13322990998； B：13322990033； C：13316868198", the phone number is just an example.

- **Change / Check Password**

1. **Change tracker password**

Send SMS "CHANGEPASSWORD*123456*888888" to tracker, "CHANGEPASSWORD" is a command; "123456" is old password; "888888" is new password; if the operation is success, the tracker will send the information " New Password：888888" to every preset phone number, if the operation is fail, the tracker will send back information "CHANGEPASSWORD FAIL".

Note: Only preset phone can change the password.

2. **Check tracker password**

Send SMS "CHECKPASSWORD" to the tracker, "CHECKPASSWORD" is a command, if the operation is success, the tracker will send back the information "Password：888888"; "888888" is an example. Note: Only preset phone can check the password.

- **Set Power Saving Mode:**

Send SMS "SETPOWER*123456*10" to tracker, "SETPOWER" is a command; "123456" is password; "10" is interval time, it means every 10 minutes the GPS will turn on and receive the location one time, the interval must be a 2 number, from 00 to 99, Unit is minute, if the time is longer then the power saving is longer, 00 means GPS normally ON, and 99 means GPS normally OFF, (The default is 99, means GPS normally OFF, when phone to the tracker to trigger the locating, GPS turn on. If the real tracking mode is set, the GPS will normally ON).

- **Locate Immediately:**

1. **Use preset phone call the tracker, after ring 3 times, the tracker will hang up the call automatically, the tracker locate immediately, about 30-60 seconds, the tracker will send the information (latitude longitude speed battery time etc) of current location to the caller by SMS. If the tracker has not preset number, any phone call can trigger the tracker to locate immediately and send location to the caller, if the tracker has preset number, then only preset phone call can trigger the tracker to locate immediately.**

2. **Basic Location information including Latitude, Longitude, Speed, Direction, Date & Time, Battery etc. the SMS information sample is as follow:**

   Latitude:22.680206N

   Longitude:114.146998E

   Speed(km/h):45.0

   Direction(Degrees):303.30

   GMT:2008/04/25 08:29:06.000

   Battery:91%

   The first line is the latitude of the object.

   The second line is the longitude of the object.

   The third line is the speed of the object(the speed maybe is not zero if the object is not moving because of the GPS precision)

   The fourth line is the direction of the object(It is the moving direction of the object, from the north it is 0, and the east is 90, and the south is 180, and the west is 270, full circle is 360, it is clockwise, the direction maybe is not right if the object is not moving because of the GPS precision).

   The fifth line is the GMT time and date, (your local time need add or minus a fixed number of hours. e.g. Japan Tokyo time is GMT add 9 hours, it means it is 9 hours earlier than GMT).

- **Set Object Move Alarm (Can be used as car alarm):**

  Send SMS "SETMOVE*123456" to tracker, "SETMOVE" is a command, "123456" is password, the tracker will send back the information "SETMOVE OK" or "SETMOVE FAIL" to indicate the operation is success or failed。

  After set the object move alarm, the system will monitor the object continuously, if the object is moving, the tracker will send alarm and location information by SMS to who enable the alarm, and later every 5 minutes the tracker will send alarm information by SMS until the tracker stop moving.

The object move alarm SMS is as follow:

ObjectMove

Latitude:22.680206N

Longitude:114.146998E

Speed(km/h):45.0

Direction(Degrees):303.30

GMT:2008/04/25 08:29:06.000

Battery:78%

Cancel the object move alarm: Send SMS "CANCELMOVE*123456" to tracker can cancel the object move alarm, "CANCELMOVE" is a command, "123456" is password, the tracker will send back information "MOVE CANCEL" or "MOVE NOT SET".

- **Over Area Alarm:**

Send "SETAREA*123456*A22.670000N114.140000E*B22.680000N114.140000E" SMS to the tracker, "SETAREA" is a command, "123456" is password, "A22.670000N114.140000E" is the longitude and latitude of the first point(Point A) location, "B22.680000N114.140000E" is the longitude and latitude of the second point(Point B) location.

Note: the over area set need 2 point, it is A and B, Point A must be on the Left bottom of the point B, the format of latitude and longitude of every point is as follow: Latitude format is YY.YYYYYYN, it has 8 digits, the last is N or S, means north latitude or south latitude, if the digit is not reach to 8 please add zero to 8 digits, Longitude format is XXX.XXXXXXE; it has 9 digits, the last is E or W, means east longitude or west longitude, if the digit is not reach to 9 please add zero to 9 digits, if the command and password is right, the tracker will send back the information "AREASET OK" or "AREASET FAIL" to indicate the operation is success or failed.

After set the over area alarm, the system will locate every 5 minutes and check the object is in the preset area or not, if the object is go out the area, then the tracker will send SMS to the phone who enable the alarm.

The over area alarm SMS information is as follow:

OverArea

Latitude:22.680206N

Longitude:114.146998E

Speed(km/h):45.0

Direction(Degrees):303.30

GMT:2008/04/25 08:29:06.000

Battery:89%

Cancel the over area alarm: Send SMS "CANCELAREA*123456" to tracker can cancel the over area alarm, "CANCELAREA" is a command, "123456" is password, the tracker will send back information "AREA CANCEL" or "AREA NOT SET".

- **Over Speed Alarm:**

Send SMS "SETSPEED*123456*040" to tracker, "SETSPEED" is a command, "123456" is password, "040" is the preset report speed, the speed must be 3 digits , from 000 to 999, unit is Km/hour, the tracker will send back the information "SETSPEED OK" or "SETSPEED FAIL" to indicate the operation is success or failed。

After set the over speed alarm, the system will locate every 5 minutes and check the speed of the tracker is higher than the preset speed or not, if the speed is higher than the preset speed, the tracker will send SMS to the phone who enable the alarm.

The over speed alarm SMS is as follow:

OverSpeed

Latitude:22.680206N

Longitude:114.146998E

Speed(km/h):45.0

Direction(Degrees):303.30

GMT:2008/04/25 08:29:06.000

Battery:78%

Cancel the over speed alarm: Send SMS "CANCELSPEED*123456" to tracker can cancel the over speed alarm, "CANCELSPEED" is a command, "123456" is password, the tracker will send back information "SPEED CANCEL" or "SPEED NOT SET".

- **Set Real Tracking Mode:**

Send SMS "SETTRACKING *123456*15M030T" to tracker, "SETTRACKING" is a command, "123456" is password, "15" is locate interval time, "M" means the time unit is minutes, interval time is from 00 to 99, must be 2 digits, "030" is the preset total tracking times, "T" means times, the tracking time is from 000 to 255, must be 3 digits, "15M030T" means every 15 minutes locate one time, total 30 times.

After set the real tracking mode, the tracker will locate the object once every preset interval time and send SMS to preset phone with the location information, when it reach to the max locate times it will cancel the tracking mode automatically.

Cancel the real tracking mode: Send SMS "CANCELTRACKING*123456" to tracker, "CANCELTRACKING" is a command, "123456" is password, the tracker will send back the information "TRACK CANCEL"or "TRACK NOT SET" to indicate the operation is success or failed.

Note: if you set the over area report and over speed report and tracking mode at the same time with different, then the information SMS only send to the last one preset phone.

- **"HELP"**

Press the "HELP" button 6 seconds, first the LED will flash fast, then the LED will turn OFF, release the button, the tracker will send help information to all the 3 preset phone.

HELP!

Latitude:22.680206N

Longitude:114.146998E

Speed(km/h):45.0

Direction(Degrees):303.30

GMT:2008/04/25 08:29:06.000

Battery:68%

If the tracker receive the HELP information, please note that the help button must be pressed, please confirm with the user it is safe or not, if it is not safe please call the police.

- **Installation Guide**

The antenna of GSM and GPS is built in tracker, please note that the install location of the tracker must can receive the GPS signal, normally the back of the seat or arm rest box or under the back

window or room on the panel etc. please leave away the tracker from big metal, and please do not place the tracker under the big metal.

The tracker built in high capacity Li battery, recharge one time can use about 10-15 days, also you can connect the tracker and DC adapter to the 12V car battery, this can keep the tracker has power supply continuously, and not necessary recharge an more, please use the OEM adapter.

- **Notes:**

The tracker built in GSM and GPS module, so please power off the tracker at the special place that restrict using mobile phone, such as on the plane, hospital, fill station etc.

The GPS need 10-200 seconds to locate the position, when the GSM signal is weak or the network is very busy, the SMS maybe delay to send by the GSM network, this is normal.

The tracker can be attracted on the metal, but the big metal can reduce the signal of GPS and GSM, so do not place the tracker on big metal, and please keep away from the magnetic components.

- **Trouble Shooting**

1. **The tracker auto power off: please confirm the tracker battery can be used, try to recharge it; and the SIM card has been installed properly.**
2. **If the tracker can not send back information by SMS, please confirm the SIM card should has caller ID display and SMS service function, and the SIM card PIN code should be disabled.**
3. **The tracker has not any repose, and no ring, please confirm the tracker has been power on and the SIM card has enough charge, and the mobile phone can work well in that place.**

Instruction List

Function	SMS Information	Note	Reply	Note
Add phone number	ADDPHONE*123456*A*13322990998	Any mobile phone can set	ADDPHONE OK	Reply to the operation phone
Delete phone number	DELETEPHONE*123456*A	Any mobile phone can delete	DELETEPHONE OK	Reply to the operation phone
Check phone number	CHECKPHONE*123456	Any mobile phone can check	CHECKPHONE A：13322990998；B：13322990033；C：13316868198；	Reply to the operation phone
Change password	CHANGEPASSWORD*123456*888888	Only preset phone can change	New Password：888888	Reply to operation phone that been preset
Check password	CHECKPASSWORD	Only preset phone can check	The Password: 888888	Reply to operation phone that been preset
Set power saving	SETPOWER*123456*xx	Any mobile phone can set	SETPOWER OK	xx is 00 to 99, unit is minutes, 00 is normally ON, 99 is normally OFF (Default is 99)
Set object move alarm	SETMOVE*123456	Any mobile phone can set	SETMOVE OK The alarm will be: ObjectMove + location information	Reply to operation phone
Cancel object move alarm	CANCELMOVE*123456	Any mobile phone can set	MOVE CANCEL or MOVE NOT SET	Reply to operation phone
Set over area alarm	SETAREA*123456*A22.670000N114.140000E*B22.680000N114.140000E	Any mobile phone can set	SET AREA OK The alarm will be: OverArea + location information	Point A must be at the east bottom of point B
Cancel over area alarm	CANCELAREA*123456	Any mobile phone can set	AREA CANCEL or AERA NOT SET	Reply to operation phone
Set over speed alarm	SETSPEED*123456*080	Any mobile phone can set	SETSPEED OK The alarm will be: OverSpeed + location information	Reply to operation phone
Cancel over speed alarm	CANCELSPEED*123456	Any mobile phone can set	SPEED CANCEL or SPEED NOT SET	Reply to operation phone
Set tracking mode	SETTRACKING*123456*xxMyyyT	Any mobile phone can set	SETTRACKING OK	xx is 0 to 99, unit is minutes, yyy is 001 to 255, every xx minutes

				locate once, total yyy times.
Cancel tracking mode	CANCELTRACKING*123456	Any mobile phone can set	TRACK CANCEL or TRACK NOT SET	Reply to operation phone
HELP	Press HELP button until the LED TURN OFF		Send HELP information to all preset phone by SMS	Send information to preset phone

Notes:

1. **The default password is 123456, for example the tracker phone number is 13088803220, if you like set the preset phone is 13322990998, then send SMS "ADDPHONE *123456*A*13322990998" to 13088803220 is OK, if the tracker reply "SET OK", it means operation is success.**
2. **Please add preset phone first then change the password.**
3. **Every tracker can set 3 preset phone number**
4. **All the SMS information is in English word, "*" is the star key, "" is not including in the SMS information, it is just used to indicate the information.**

Warranty

This system has been tested before sold. We strongly recommend you to get this system installed by professional. There is a one-year warranty except the following condition:

1. **Installed, fixed, or changed by personally or unprofessional.**
2. **Warranty will eliminate if the ownership of the tracker has been changed.**
3. **Parts damaged by man-made.**
4. **Battery, adapters, wires, etc.**

Warning: this device is just a auxiliary product that applying the location of current object, we have not any responsibility if you have damage or lost in using this tracker.